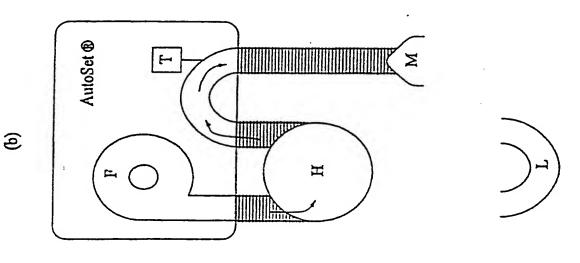
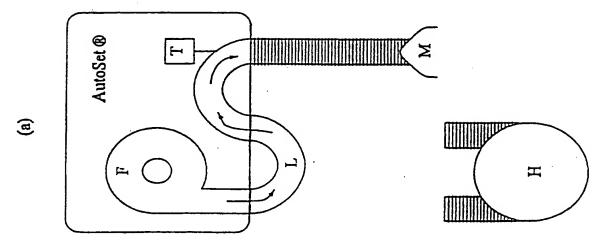
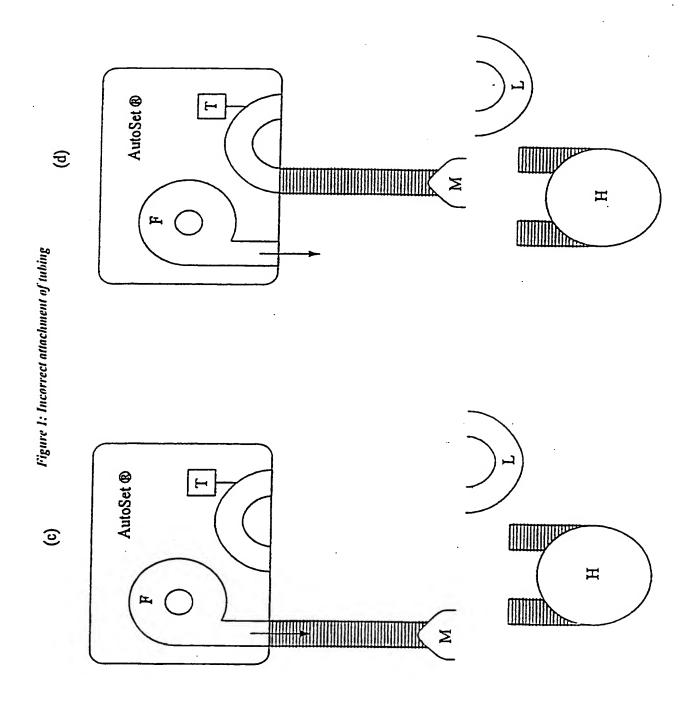
Figure 1: Correct attachment of tubing







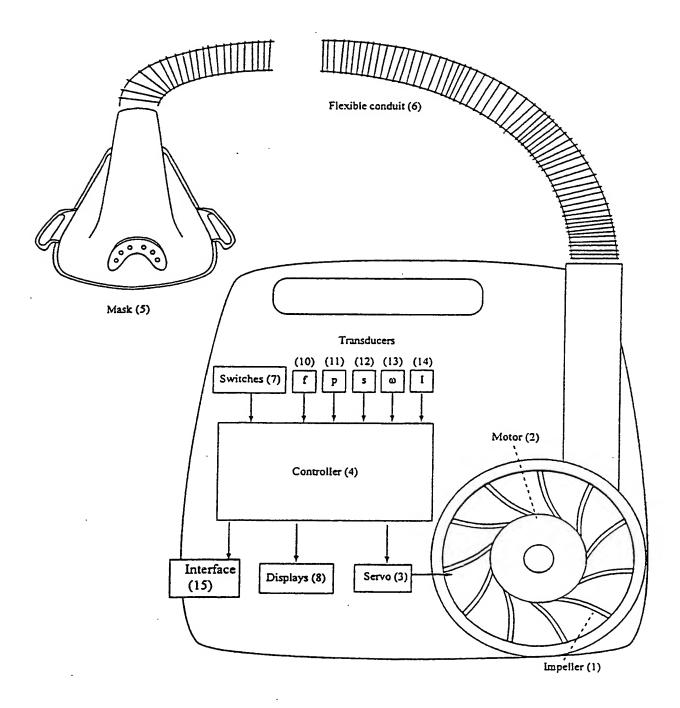


Figure 2: CPAP apparatus

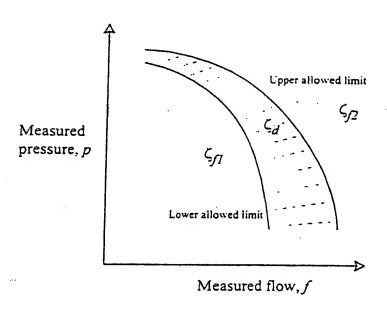


Figure 3a: High motor speed (w) operation

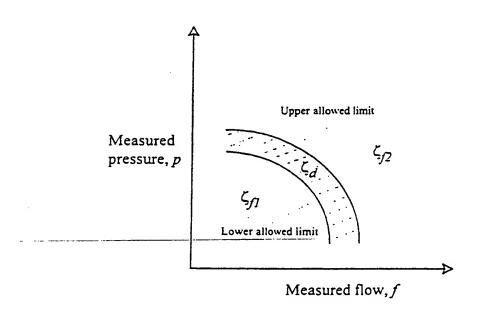


Figure 3b: Low speed motor speed (w) operation

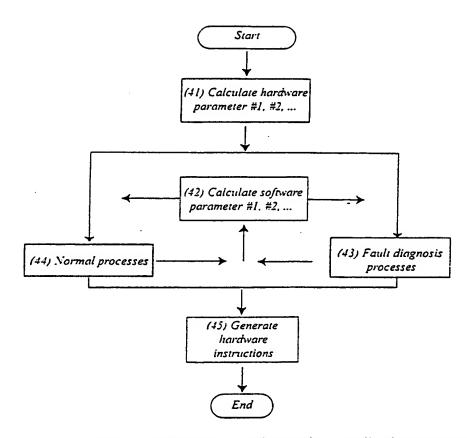


Figure 4: Fault diagnosis implemented in overall software processes

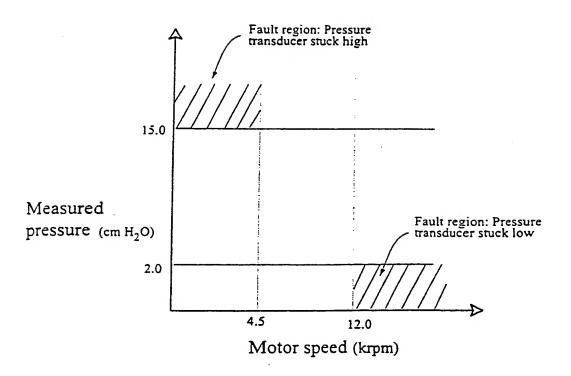


Figure 5: Pressure transducer fault regions

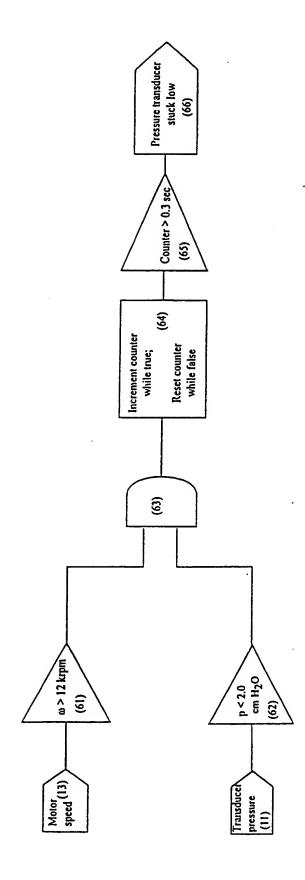
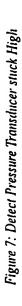
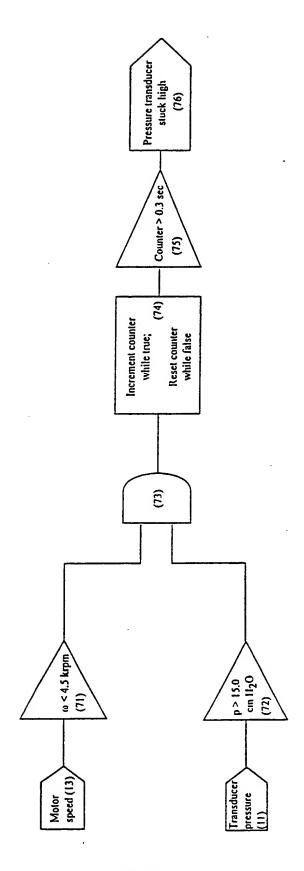


Figure 6: Detect Pressure Transducer stuck Low





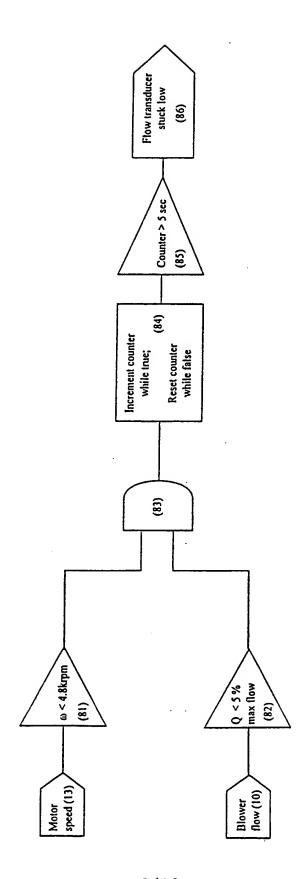
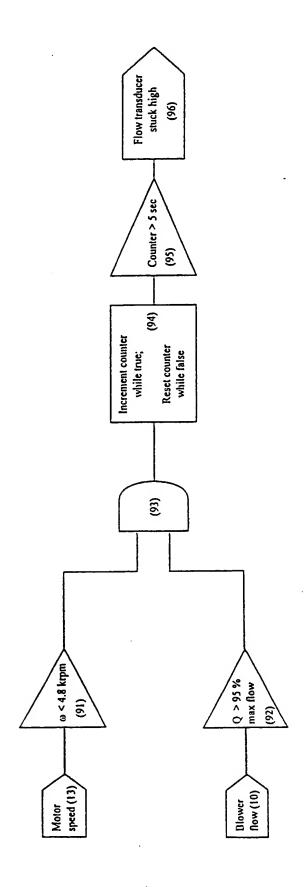


Figure 8: Detect Flow Transducer Stuck Low



Figure 9; Detect Flow Transducer Stuck High



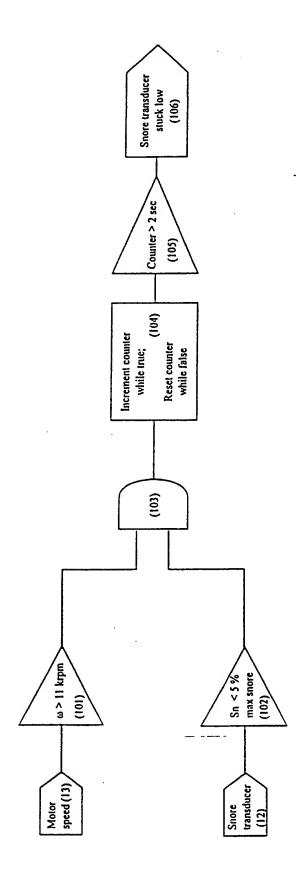


Figure 10: Detect Snore Transducer Stuck Low

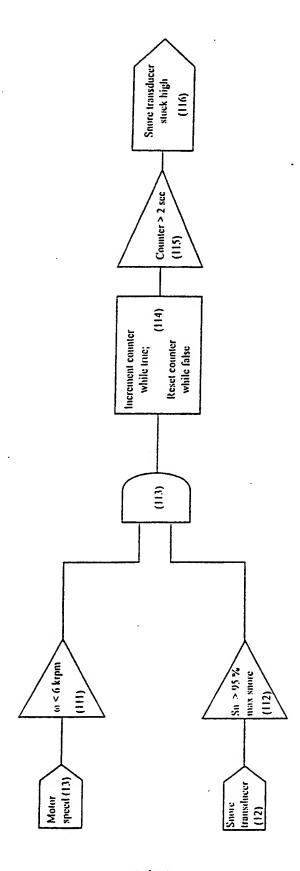


Figure 11: Detect Snove Transducer Stuck High

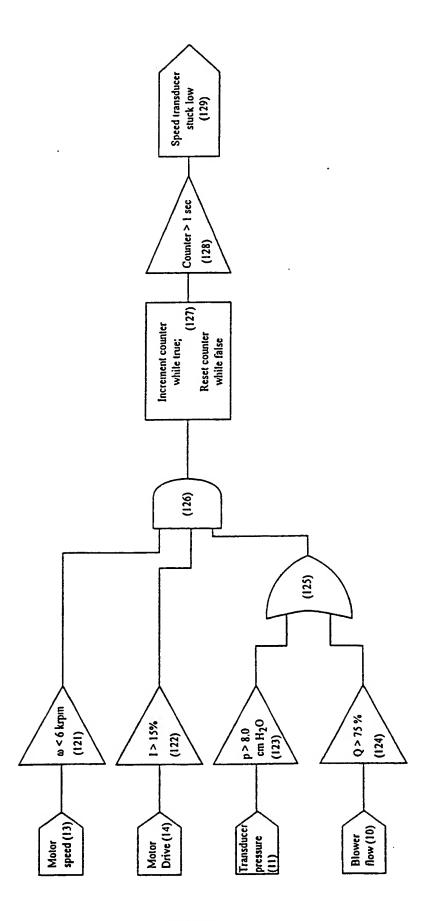


Figure 12: Detect Speed Transducer Stuck Low

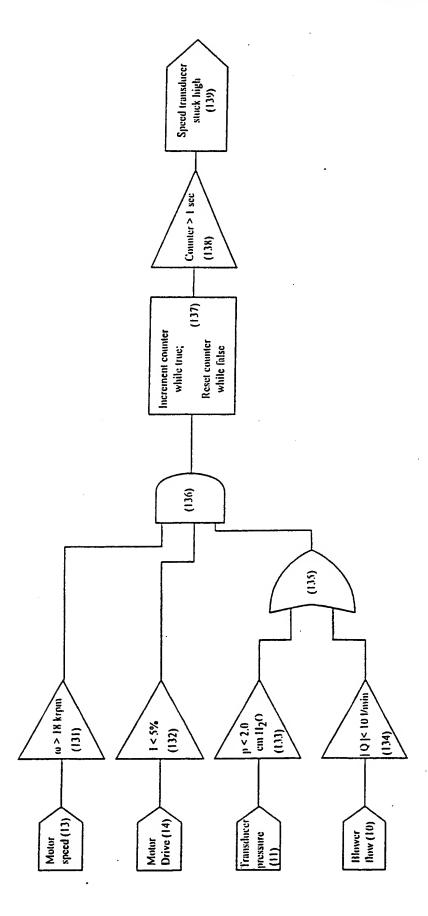
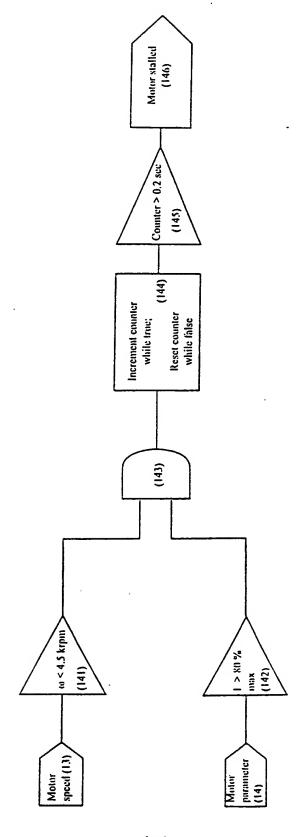


Figure 13: Detect Speed Transducer stuck High





15/18

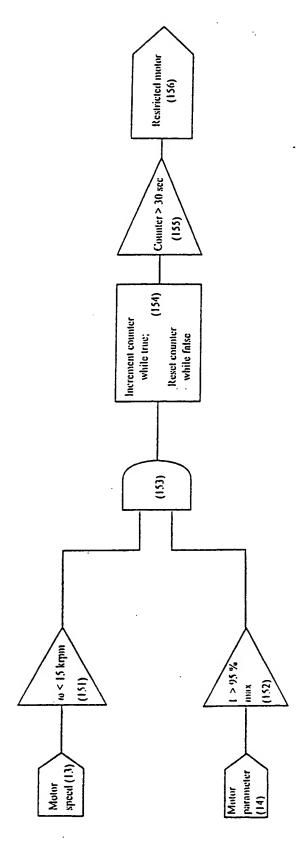


Figure 15: Detect Restricted Motor

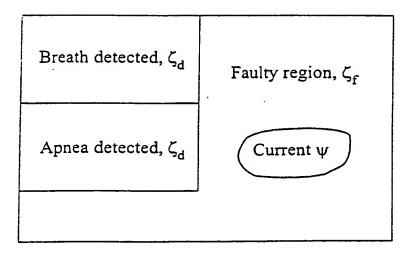


Figure 16: Software fault

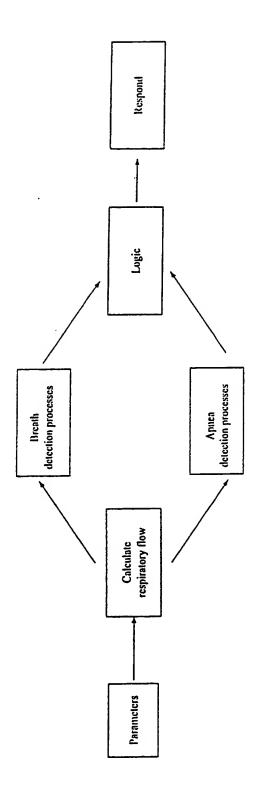


Figure 17: Software fault detection processes